Wo	rk	Or	der	ID	107999
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Page 1

October-07-13 9:06:09 AM Item ID: D3916-041 Accept Setup *N900040100* Start **Revision ID:** Rib Assembly Item Name: Start Oty: 6.00 **Start Date:** 10/07/13 **Cust Item ID:** Required Date: 10/07/13 Req'd Qty: 6.00 **Customer:** Reference: Run Process Plan: MUJ Date: 13-10-08 Tooling: Approvals: Stop Date: SPC (Y/N): Date: Reject Sequence ID/ Operation Set Up/ Tool ID Tool # Plan Accept Reject Insp. Qty Code Qty Number Stamp Work Center ID Description **Run Hours** Draw Nbr **Revision Nbr** Α ′ D3916 0.00 100 13-11-6 *100* 0.00 Large Fab Memo 1- Cut tube 50" Large Fab 2- Bend tube with manuel pipe bender as per DT9567 *** Make line at 9.00" and use jig for other lines, and ensure seam in place on

105

QC6- Inspect dimensions to drawing

side of tube when bending***

3- Trim access tube material to finish size as per dwg D3916 4- Drill and chamfer holes as per dwg D3916-1 using DT9605

0.00

DAS 9

105

QC

Memo

0.00

Quality Control

B-11-06

9-89

	i								DQA:	Date:	
NCR: Yes	s / No				WORK ORDER NON-C	CONFORM	MANCE / U		QA Closed:	Date:	
Work Order:					DISPOSITION			AGAINST DE	PARTMENT	/PROCESS	
Part No	-	<u> </u>			Rework Scrap		Skid-tube Machining	Crosstube Small Fab	Pro	Water Jet d. Eng. Coor.	Engineering Quality
NCR No					Use-as-is Work Order Update	Thern	noforming Large Fab	Finishing Composite		re/Packaging Supplier	Other
Root	;			Descri	ption of work order update	Initial	А	ction	Sign &		
Cause	Date	Step	Qty		or Non-conformance	Chief Eng	Des	cription	Date	Verification	QC Inspector
Doc/Data									!		
quip/Tooling											
Operator											
Material											
Setup		l									
Other											
Process											
Supplier											
Fraining											
Inanneound						1					1

FAULT CATEGORY

Landing Gear General Grain Ovalized Pressure/Forced Bending Bend BOM/Route Over/Under tolerance Temperature/Cure Hardware Centre Not Concentric to O/S Broken/Damaged Cracks Inspection Incomplete Part Incorrect Weld Wrong Stock Pulled Crushed/Crimped. Burrs Instructions Incomplete/Unclear Part Lost/Missing Cuffs Contamination Maintenance Part Moved **Heat Treat** Countersink Mislabeled Positioned Wrong Other Inspection Strip in Tube Misread Power Loss/Surge Cut Too Short Ripples in Bend Drill Holes Offset Torque Waves in Extrusion Drawing Out of Calibration Turning Sequence Finish Out of Sequence Folio Wave/Twist in Tube Outside Dimensions

QC

Quality Control

9-89

(Q 13-11-07

October-07-13 9:06:09 AM D3916-041 Accept Item ID: Setup Start *N900040100* **Revision ID:** Rib Assembly Item Name: Start Qty: 6.00 **Start Date:** 10/07/13 **Cust Item ID:** Required Date: 10/07/13 Req'd Qty: 6.00 **Customer:** Reference: Run Process Plan: _____ Date: Tooling: Approvals: Date: Stop QC: SPC (Y/N): Date: Date: Reject Set Up/ Tool ID Tool # Plan Accept Reject Insp. Sequence ID/ Operation Qty Number Stamp Qty Code **Work Center ID** Description **Run Hours** Weld per dwg A/R S.S. rod Batch: 8/23823 107 CC 13-11-7 *107* 0.00 Large Fab 1- weld bushing as per dwg D3916 Large Fab 2- grind welds flush QC5- Inspect part completeness to step on W/O 0.00 DAS 0.00 QC Memo **Quality Control** DAS 0.00 QC10- Inspect visual per QSI004- ground welds 120

0.00

Memo

									DQA:	Date:				
NCR: Yes	/ No			\	WORK ORDER NON-C	ONFORM	MANCE / UPI		QA Closed:	Date:				
Work Order:					DISPOSITION		AGAINST DEPARTMENT/PROCESS							
Part No.					Rework Scrap Use-as-is	l r	Skid-tube Machining Moforming	Crosstube Small Fab Finishing		Water Jet d. Eng. Coor. e/Packaging	Engineering Quality Other			
NCR No.					Work Order Update		Large Fab	Composite	·	Supplier				
Root				Descripti	on of work order update	Initial	Act	tion	Sign &					
Cause	Date	Step	Qty	or I	Non-conformance	Chief Eng	Desci	ription	Date	Verification	QC Inspector			
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etup								•						
Other]]												
rocess														
Supplier														

			FAU	LT CATEGORY			
Landi	ng Gear	General					
	Bending	Bend		Grain		Ovalized	Pressure/Forced
	Centre Not Concentric to O/S	BOM/Route		Hardware		Over/Under tolerance	Temperature/Cure
	Cracks	Broken/Damaged		Inspection Incomplete	. [Part Incorrect	Weld
	Crushed/Crimped.	Burrs		Instructions Incomplete/Unclear		Part Lost/Missing	Wrong Stock Pulled
	Cuffs	Contamination		Maintenance		Part Moved	_
	Heat Treat	Countersink		Mislabeled		Positioned Wrong	
	Inspection Strip in Tube	Cut Too Short		Misread		Power Loss/Surge	Other
	Ripples in Bend	Drill Holes		Offset			
	Torque Waves in Extrusion	Drawing		Out of Calibration			
	Turning Sequence	Finish		Out of Sequence			
	Wave/Twist in Tube	Folio		Outside Dimensions			

Training Unapproved

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Work Orde		7999		*107	' 999*			Page 3
Revision ID:	D3916-041 Rib Assembly			Accept	*N90004010	0* s	etup Start Stop	*NS1* *NS2*
	10/07/13	Start Qty: 6.00 Req'd Qty: 6.00	*6* *6*		Cust Item ID: Customer:			14(1)
Approvals:		n:			Date:	-	tun Start Stop	*NR1* *NR2*
Sequence ID/ Work Center II	D	Operation Description Identify as per dwg & St	ock Location:W/A	Set Up/ Run Hours 0.00	Tool ID Tool # Plan Code	•	Qty	Reject Insp. Number Stamp
130 Packaging		Мето		0.00		(ky)	CC 1:	3-11-7
140 * 140 *		QC21- Final Inspection	- Work Order Release	0.00		D/R	m 13/1	11/11
QC Quality Control		Memo		0.00				MF 12-11-1
			· .					(0

NCR:	Yes /	No	WORK ORDER NON-CONFORMANCE / UPDATE
	•		•

DQA:	Date:	
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											QA Closed:	Date	:
Work Orde	er:					DISPOSITION	T			AGAINST DE	PARTMENT	/PROCESS	
Part f	- - No.					Rework Scrap Use-as-is Work Order Update	Machining Small Fab Prod. Eng. Coor. Qu						Engineering Quality Other
Root					Descri	ption of work order update	In	itial	Ac	tion	Sign &		
Cause		Date	Step	Qty	(or Non-conformance	Chi	ef Eng	Desc	cription	Date	Verification	QC Inspector
Doc/Data Equip/Tooling Operator Material Setup Other Process Supplier Training Unapproved													
						F.	AUL1	CATE	GORY				
Landi	ing G	ear				General					-	_	_
	Bending Centre Not Concentric to O/S Cracks Broken/Damaged Burrs Cuffs Contamination Heat Treat Inspection Strip in Tube Ripples in Bend BoM/Route Broken/Damaged Contamination Countersink Cut Too Short Drill Holes				BOM/Route Broken/Damaged Burrs Contamination Countersink Cut Too Short		nstruc	ion Incomplete tions Incomplete, enance eled	/Unclear	Ovalized Over/Under Part Incorre Part Lost/M Part Moved Positioned N Power Loss/	ct issing Wrong	Pressure/Forced Temperature/Cure Weld Wrong Stock Pulled Other	
	Torque Waves in Extrusion Drawing						Out of	Calibration					
	Turning Sequence Finish Wave/Twist in Tube Folio					-		Sequence • Dimensions					

October-07-13 9:06:08 AM

Work Order ID:

107999

Parent Item:

D3916-041

Parent Item Name:

Rib Assembly

Start Date: 10/07/13

Required Date: 10/07/13

Start Qty: 6.00

Required Qty: 6.00

Comments:

IPP RevA: New issue DD verified by:EC verified by:EC

IPP Rev:B as per dwg revA 10.03.15

400.3885 346.2478

	verified by.EC		ments										a comment of
Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D3759-1		Manufactured	No			100	Each	196.0000	7	42	CC /	2 -11	-/
Bushing											LL./	J_''	
				Location		Loc Qty	Lo	c Code					
				WA004 102 106 106	359 686	196 88 24 44 40	B 10	8412	- P (2	3 3			
M304TS0.750W.049 304 SQ Tube .75x.75x.049	9W	Purchased	No			100	f	838.9792	4.166	27	CC	13-1	1-6
				Location		Loc Qty	Lo	c Code					
				WA006		838.9792331							
				M1:	26039	92.3429331			-				

NCR:	Yes / No	WORK ORDER NO

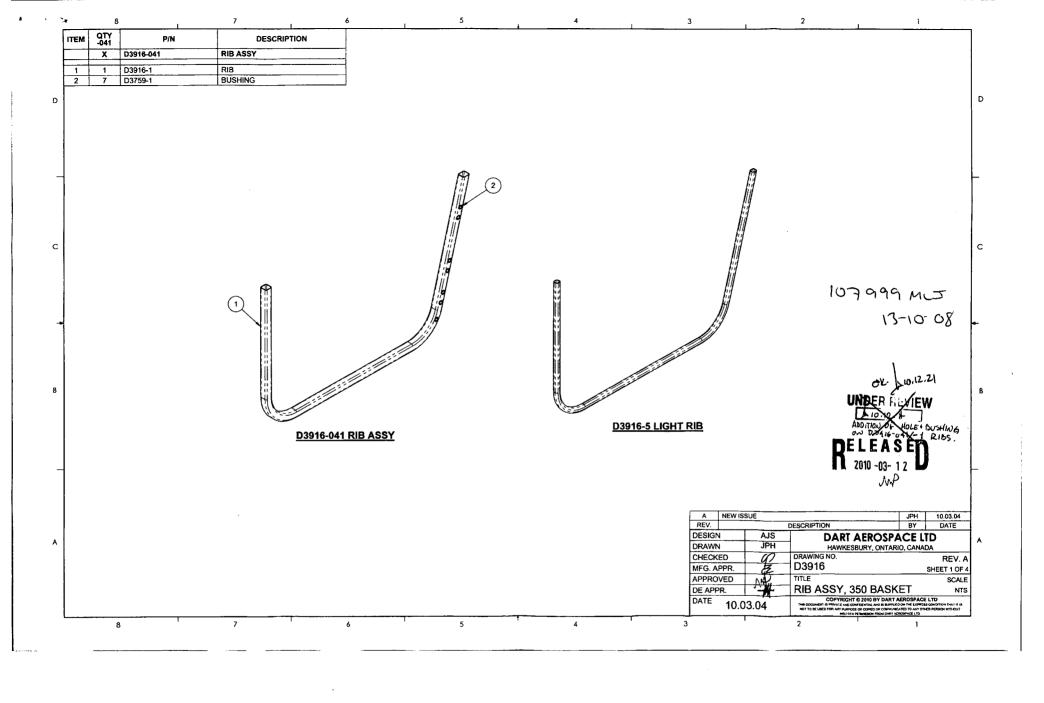
WORK ORDER	NON	CONIECDA	AANCE	/ LIDDATE
WURK URDER	NON-	CONFORM	IANCE	/ UPDAIL

Date:

DQA:

									QA Closed:	Date	2:	
Work Ordei	r .				DISPOSITION			AGAINST DE	PARTMENT	/PROCESS		
Part No					Rework Scrap	The	Skid-tube Machining	Crosstube Small Fab		Water Jet d. Eng. Coor.	Engineering Quality Other	
NCR N	o				Use-as-is Work Order Update	ine	moforming Large Fab	Finishing Composite	Rec/Stor	re/Packaging Supplier	- Other	
Root				Descri	ption of work order update	Initial	Ac	ction	Sign &			
Cause	Date	Step	Qty	(or Non-conformance	Chief En	g Desc	cription	Date	Verification	QC Inspector	
Doc/Data												
quip/Tooling						1						
Operator												
Material				ļ	•	1						
Setup												
Other												
Process	· .						ļ					
Supplier	7											
Training	7											
Unapproved												
			·		F	AULT CAT	EGORY					
Landin	g Gear				General					_		
Γ	Bending				Bend	Grain	ŀ		Ovalized		Pressure/Forced	
Γ	Centre No	ot Concer	ntric to	o/s	BOM/Route	Hard	vare		Over/Under	tolerance	Temperature/Cure	
Γ	Cracks				Broken/Damaged	Inspe	ction Incomplete		Part Incorre	ct	Weld	
Γ	Crushed/	Crimped.			Burrs	Instru	ctions Incomplete,	/Unclear	Part Lost/M	issing	Wrong Stock Pulled	
	Cuffs Contamination				Main	tenance		Part Moved	_			
Γ	Heat Trea	at			Countersink	Misla	beled		Positioned \	Vrong		
Γ	Inspectio	n Strip in	Tube		Cut Too Short	Misre	ad		Power Loss/	'Surge	Other	
Γ	Ripples in	Bend			Drill Holes	Offse	t			-		
Ī	Torque Waves in Extrusion Drawing				Out o	f Calibration						
Γ	Turning S	equence			Finish	Out o	f Sequence				·	
	Wave/Twist in Tube Folio					Outsi	Outside Dimensions					

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107999 t Se D -D3916-1 RIB С D3759-1-BUSHING 7 PL **D3916-041 RIB ASSY** DESIGN DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA AJS DRAWN JPH DRAWING NO. CHECKED REV. A

NOTES:
1) MATERIAL: N/A
2) FINISH: NONE
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: N/A
6) IDENTIFICATION: NONE
7) WEIGHT -041: 1.84 lbs
8) WELD PER DART QSI 004

D3916 MFG. APPR. SHEET 2 OF 4 APPROVED TITLE SCALE NTS DE APPR. DATE 10.03.04

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